



Aerolube Technologies



Technical Data Sheet

**5015 METAL FREE, HIGH TEMPERATURE ANTI
SEIZE / ASSEMBLY PASTE**

Product Description

Metal free high purity paste for preventing seizure at high temperatures especially for components made of special & proprietary steels

Applications

- For preventing seizure of all threaded connections operating at high temperatures especially those made of steel, stainless steel, heat resistant steel and proprietary alloys e.g. ni-based alloys commonly used in gas, thermal and nuclear power generating plants, chemical plants, paper processing machinery, refineries.
- Heavy-duty thread compound for studs, nuts, bolts, slides, gaskets, valve stems, spindles, exhaust pipes, cylinder and engine head screws, steam lines, fittings.

Benefits

- Extremely wide service temperature range of -40°C to +1400°C
- Very high purity level (extremely low sulfur and chlorine levels)
- Low coefficient of friction
- Makes disassembly very easy and non-destructive even after long operational periods at high temperatures and adverse working environments
- Lead and nickel free
- Lower breakout torque
- Prevents stress cracking
- Prevents metal to metal contact and heat freeze

Directions for Use

Clean and degrease the surface of all previous residues prior to application. With a wire brush, apply the paste in adequate quantity on the thread surface and right down up to the base stem of the thread. The excess paste need not be removed as it provides a good sealing effect. Do not mix with other oils or grease. Ensure that the paste applying media has not been used for any other purposes other than for application of this paste only so as to maintain purity levels and avoid contamination.

Available Packaging

1 kg

Shelf Life

60 months from date of manufacture in sealed condition.

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TECHNICAL PROPERTY

PARAMETER	VALUE	UNIT	METHOD
Type	Solid lubricants in oil with additives (practically zero sulfur content)		
Appearance	Smooth homogenous paste		
Color1	Gray black		
Penetration			
unworked	280-310	mm/10	ASTM D 217
worked, 60	310-340	mm/10	
NLGI Class	1		DIN 51 818
Density, @ 25°C	1.15-1.30	g/cm3	
Drop point	None	°C	ASTM D 566
Service temperatures2	-40 to +1400	°C	
Four ball test, weld load	4400	N	DIN 51 350 pt. 4
Four ball test, wear scar, 800N load	1.8	mm	DIN 51 350 pt. 5
Special properties	Sulfur content 250 ppm max Halogen content 200 ppm max		

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.
2. Solid lubricants maintain lubrication up to +1400°C

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product’s safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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